

CONTRACT REQUESTS FORM (CRF)

CEC-94 (Revised 5/11)

CALIFORNIA ENERGY COMMISSION



☐ New Contract _____ ☒ Amendment to Existing Contract: 500-09-050 Amendment Number: 1

Division	Contract Manager:	MS-	Phone	CM Training Date
ERDD - Industrial/ Ag/ Water	Paul Roggensack	51	916-327-2224	8/19/2002

Contractor's Legal Name	Federal ID Number
The Regents of the University of California, Davis	94-6036494

Title of Project
Demonstration of a Vortex Technology for Wastewater Disinfection with UV Light

Term	Start Date	End Date	Amount
New/Original Contract	6/30/2010	2/4/2013	\$ 150,000

Line up the Amendment information as best as possible within the following table.

Amendment #	End Date (mm/dd/yy)	Amount
Amendment 1	2/1/2014	\$0

Business Meeting Information			
Proposed Business Meeting Date	1/9/2013	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Discussion
Business Meeting Presenter	Paul Roggensack	Time Needed:	5 minutes

Agenda Item Subject and Description
Possible approval of Amendment 1 to Contract 500-09-050 with the University of California, Davis for a 12 month no-cost time extension. This amendment is necessary to allow time for UC Davis to replace the subcontractor responsible for supplying and consulting on the use of Xenon lamps in the vortex cylinder. The Terms and Conditions are being modified. (PIER electricity funding.) Contact: Paul Roggensack

Business Meeting approval is not required for the following types of contracts: *Executive Director's signature is required in all cases.*

- ☐ Contracts less than \$10k (*Policy Committee's signature is also required*)
- ☒ Amendment for a no-cost time extension. Must be first extension, less than one year and original contract less than \$100k.
- ☐ Contracts less than \$25k for Expert Witness in Energy Facility licensing cases and amendments.

Purpose of Contract or Purpose of Amendment, if applicable
The purpose of this amendment is to effect a no-cost time extension. On August 3, 2010, the California Energy Commission entered an Interagency Agreement with UC Davis for the "Demonstration of a Vortex Technology for Wastewater Disinfection with UV Light" for \$150,000. The project is to demonstrate an innovative technology for treating wastewater by creating a vortex that swirls upward in a vertical Teflon cylinder while receiving ultraviolet (UV) radiation. The technology has the potential to significantly reduce the cost of UV radiation, which is considered superior to chlorination. The demonstration is at the UC Davis wastewater treatment facility, where it will compare the vortex technology using both Mercury and Xenon lamps against traditional UV treatment technology. The vortex treatment system using Mercury lamps has been constructed and is treating wastewater alongside the existing UV treatment system. However, the supplier and consultant that was to provide the Xenon lamp system, Clean Tech Ventures from North Carolina, has backed out of the project because they are unable to deliver the DC power supply. UC Davis is currently negotiating with two companies for a replacement: Xenon Corporation from Wilmington, Massachusetts, and Ultraviolet Sciences from San Diego. Both companies have signed nondisclosure agreements with UC Davis. They expect to complete negotiations by early December and the project should be completed in seven to ten months. As directed by the Department of General Services, Office of Legal Services, the Exhibit D, Special Terms and Conditions, Disputes Provision is being amended to remove the Binding Arbitration language. In addition, other edits are being made to the remaining language.

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**California Environmental Quality Act (CEQA) Compliance**

1. Is Contract considered a "Project" under CEQA?

☐ Yes: skip to question 2☐ No: complete the following (PRC 21065 and 14 CCR 15378):

Explain why contract is not considered a "Project":

2. If contract is considered a "Project" under CEQA:

☒ a) Contract **IS** exempt. (Draft NOE required)☐ Statutory Exemption. List PRC and/or CCR section number:☒ Categorical Exemption. List CCR section number: 14 CCR 15306☐ Common Sense Exemption. 14 CCR 15061 (b) (3)

Explain reason why contract is exempt under the above section:

Class 6 - Basic data collection, research, experimental management, and resource evaluation activities that do not result in major disturbances to an environmental resource.

☐ b) Contract **IS NOT** exempt. The Contract Manager needs to consult with the Energy Commission attorney assigned to their division and the Siting Office regarding a possible Initial Study.**Budgets Information**

Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$		\$					\$
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$		\$					\$
PIER - NG	\$		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
TOTAL:	\$0	TOTAL:	\$0		TOTAL:			\$0
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Bassam Younis	Name:	Bassam Younis
Address:	Department of Civil and Environmental Engineering University of California, Davis	Address:	Department of Civil and Environmental Engineering University of California, Davis
City, State, Zip:	DAVIS, CA 95616-8500	City, State, Zip:	DAVIS, CA 95616-8500
Phone/ Fax:	530-754-6417 / 530-752-7872	Phone/ Fax:	530-754-6417 / 530-752-7872
E-Mail:	bayounis@ucdavis.edu	E-Mail:	bayounis@ucdavis.edu

Contractor Is☐ Private Company (including non-profits)☒ CA State Agency (including UC and CSU)☐ Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)**Selection Process Used**☐ Solicitation Select Type Solicitation #: _____ # of Bids: _____ Low Bid? ☐ No ☐ Yes☐ Non Competitive Bid (Attach CEC 96)☒ Exempt Interagency**Civil Service Considerations**☐ Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship)☒ Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)

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- ☐ The Services Contracted:
- ☐ are not available within civil service
 - ☐ cannot be performed satisfactorily by civil service employees
 - ☐ are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system.
- ☐ The Services are of such an:
- ☐ urgent
 - ☐ temporary, or
 - ☐ occasional nature
- that the delay to implement under civil service would frustrate their very purpose.

Justification:

Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)

Payment Method

- ☒ A. Reimbursement in arrears based on:
- ☐ Itemized Monthly
 - ☒ Itemized Quarterly
 - ☐ Flat Rate
 - ☐ One-time
- ☐ B. Advanced Payment
- ☐ C. Other, explain:

Retention

1. Is contract subject to retention? ☒ No ☐ Yes
- If Yes, Do you plan to release retention prior to contract termination? ☒ No ☐ Yes

Justification of Rates

Rates are standard for UC Davis.

Disabled Veteran Business Enterprise Program (DVBE)

1. ☒ Not Applicable
2. ☐ Meets DVBE Requirements DVBE Amount:\$ _____ DVBE %: _____
- ☐ Contractor is Certified DVBE
 - ☐ Contractor is Subcontracting with a DVBE: _____
3. ☐ Requesting DVBE Exemption (attach CEC 95)

Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?

If yes, check appropriate box: ☐ SB ☐ MB ☐ DVBE

Is Contractor subcontracting any services?

If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:

CleanTech Inventures, Inc.	<input checked="" type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE

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**Miscellaneous Contract Information**

- | | | |
|---|--|---|
| 1. Will there be Work Authorizations? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 2. Is the Contractor providing confidential information? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 3. Is the contractor going to purchase equipment? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| 4. Check frequency of progress reports | | |
| <input type="checkbox"/> Monthly <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> _____ | | |
| 5. Will a final report be required? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| 6. Is the contract, with amendments, longer than a year? If yes, why? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |

The Department of General Services has agreed to give the Commission blanket authority to execute multi-year contracts to support the Commission's RD&D Programs.

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**The following items should be attached to this CRF**

1. Scope of Work, Attach as Exhibit A.	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
2. Budget Detail, Attach as Exhibit B.	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
3. CEC 96, NCB Request	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
4. CEC 30, Survey of Prior Work	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
5. CEC 95, DVBE Exemption Request	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
6. Draft CEQA Notice of Exemption (NOE)	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
7. Resumes	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
8. CEC 105, Questionnaire for Identifying Conflicts		<input type="checkbox"/> Attached
9. CEC 106, IT Component Reporting Form		<input type="checkbox"/> Attached

Contract Manager_____
Date_____
Office Manager_____
Date_____
Deputy Director_____
Date

The following signatures are only required when contract approval is delegated to the Executive Office and not approved at a Business Meeting.
See Business Meeting Information Section.

Presiding Policy Committee_____
Date_____
Associate Policy Committee_____
Date_____
Executive Director_____
Date